

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names.

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS FOR, AND METHOD OF, REDUCING POWER DISSIPATION IN A COMMUNICATION SYSTEM the specification of which (check one)

☒ is attached hereto

☐ was filed on \_\_\_\_\_

As United States Application Number or PCT International Application No. \_\_\_\_\_, and was amended on \_\_\_\_\_ (if applicable)

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119 (a) - (d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)		Priority Claimed		
Number	Country	Day/Month/Year Filed	Yes	No
<u>NONE</u>	<u>                    </u>	<u>                    </u>	<u>          </u>	<u>          </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>          </u>	<u>          </u>

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>NONE</u>	<u>                    </u>	<u>                    </u>
Appln. Serial No.	Filing Date	Status

We hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: RICHARD A. BARDIN, Reg. No. 20,365, CRAIG B. BAILEY, Reg. No. 28,786, RICHARD B. CATES, Reg. No. 36,100, JOHN K. FITZGERALD, Reg. No. 38,881, GILBERT G. KOVELMAN, Reg. No. 19,552, THOMAS H. MAJCHER, Reg. No. 31,119, JOHN S. NAGY, Reg. No. 30664, ELLSWORTH R. ROSTON, Reg. No. 16,310, JAMES W. PAUL, Reg. No. 29,967, THOMAS A. RUNK, Reg. No. 30,679, and DAVID S. SARISKY, Reg. No. 41,288. Direct all telephone calls to ELLSWORTH R. ROSTON, at telephone No. (310) 824-5555.

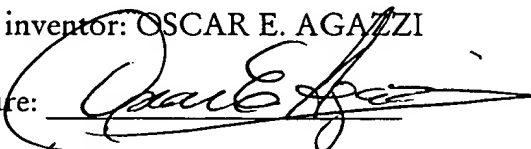
Address all correspondence to:

FULWIDER PATTON LEE & UTECHT, LLP  
 10877 Wilshire Boulevard, Tenth Floor  
 Los Angeles, California 90024

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: OSCAR E. AGAZZI

Inventor's signature: 

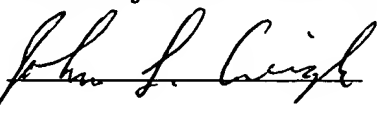
Date: August 8, 1998

Residence: Irvine, California

Citizenship: Argentina

Post Office Address: 38 Deerfield Street  
Irvine, CA 92606

Full name of second inventor: JOHN L. CREIGH

Inventor's signature: 


Date: August 12, 1998

Residence: Rancho Santa Margarita, California

Citizenship: United States of America

Post Office Address: 19 Obispo  
Rancho Santa Margarita, CA 92688

Full name of third inventor: MEHDI HATAMIAN

Inventor's signature: 

Date: 8/12, 1998

Residence: Mission Viejo, California

Citizenship: United States of America

Post Office Address: 25681 Pacific Hills Dr.  
Mission Viejo, CA 92692

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Broadcom Corporation  
 Application No. : 09/143,476  
 Filed : August 28, 1998  
 Title : APPARATUS FOR, AND METHOD OF, REDUCING POWER  
 DISSIPATION IN A COMMUNICATIONS SYSTEM

Grp./Div. : Not Assigned  
 Examiner : Not Assigned

Docket No. : 34278/JWE/B600

SUBSTITUTION OF ATTORNEY

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Commissioner:

BROADCOM CORPORATION, assignee of the entire interest in and to the above-identified United States patent application under an Assignment recorded in the U.S. Patent and Trademark Office on August 28, 1998, a copy of which is attached, hereby revoke(s) all powers of attorney previously given and appoint(s):

R. W. Johnston	(17,968)	Vincent G. Gioia	(19,959)	Kathleen M. Olster	(42,052)
D. Bruce Prout	(20,958)	Edward R. Schwartz	(31,135)	Daniel M. Cavanagh	(41,661)
Hayden A. Carney	(22,653)	John D. Carpenter	(34,133)	Molly A. Holman	(40,022)
Richard J. Ward, Jr.	(24,187)	David A. Plumley	(37,208)	Lucinda G. Auciello	(42,270)
Russell R. Palmer, Jr.	(22,994)	Wesley W. Monroe	(39,778)	Norman E. Carte	(30,455)
LeRoy T. Rahn	(20,356)	Grant T. Langton	(39,739)	Joel A. Kauth	(41,886)
Richard D. Seibel	(22,134)	Constantine Marantidis	(39,759)	Patrick Y. Ikehara	(42,681)
Walter G. Maxwell	(25,355)	John W. Eldredge	(37,613)	Mark Garscia	(31,953)
William P. Christie	(29,371)	Gregory S. Lampert	(35,581)	Gary J. Nelson	(P-44,257)
David A. Dillard	(30,831)	Craig A. Gelfound	(41,032)	Raymond R. Tabandeh	(P-43,945)
Thomas J. Daly	(32,213)	Syed A. Hasan	(41,057)	Phuong-Quan Hoang	(41,839)

all members or associates of or of counsel to the firm CHRISTIE, PARKER & HALE, LLP, telephone 626/795-9900, as principal attorneys with power to appoint associate attorneys, to prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
 DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL  
 IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS  
 AND TRADEMARKS, WASHINGTON, D.C. 20231, on

March 11, 1999  
 3-11-99 *Marlene Parker*  
 (DATE SIGNED)

09930564, 091501

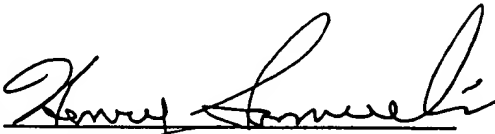
Application No. 09/143,476

The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

Please address all correspondence to **CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, California 91109-7068.**

BROADCOM CORPORATION

Date 3-10-99

By   
Henry Samueli  
Co-Chairman of the Board  
Chief Technical Officer

MG IRV19179.1-\*3/10/99 10:08 am

0930534-031501  
TOSTRO-430E60

ASSIGNMENT

Docket No. BRCOM-47966

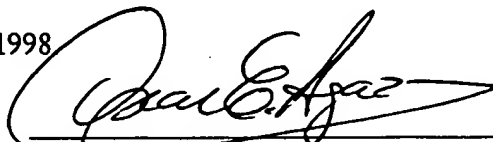
WHEREAS, we, OSCAR E. AGAZZI, JOHN L. CREIGH, and MEHDI HATAMIAN, respectively, have invented certain new and useful improvements in APPARATUS FOR, AND METHOD OF, REDUCING POWER DISSIPATION IN A COMMUNICATION SYSTEM for which we have today executed application papers for the United States Letters Patent thereon; and

WHEREAS, BROADCOM CORPORATION, a corporation of the State of California, hereinafter called Assignee and having its offices and place of business at 16251 Laguna Canyon Road, Irvine, CA 92618, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we OSCAR E. AGAZZI, JOHN L. CREIGH and MEHDI HATAMIAN, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said invention as described in said application, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and we hereby authorize and request the Commissioner of Patents to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, as assignee of the entire right, title and interest, and we covenant that we have full right so to do and agree that we will communicate to said Assignee, or its successors, any and all facts known to us regarding said invention whenever requested and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Executed this 12<sup>th</sup> day of Aug., 1998

DATED: 8/12/98

  
\_\_\_\_\_  
OSCAR E. AGAZZI

DATED: 8/12/98

  
\_\_\_\_\_  
JOHN L. CREIGH

DATED: 8/12/98

  
\_\_\_\_\_  
MEHDI HATAMIAN

RECO

09-08-1998

HEET

U.S. DEPARTMENT OF  
Patent and Trademark



100823831

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy them.

1. Name of conveying party(ies):

OSCAR E. AGAZZI  
JOHN L. CREIGH  
MEHDI HATAMIAN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: August 12, 1998

2. Name and address of receiving party(ies):

Name: BROADCOM CORPORATION, a California corporation

Street Address: 16251 Laguna Canyon Road

City Irvine State California ZIP 92618

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: August 8, 1998  
August 12, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: FULWIDER PATTON LEE & UTECHT, LLP  
Internal Address: \_\_\_\_\_

Street Address: 10877 Wilshire Boulevard, 10th Floor

City: LOS ANGELES State: CA ZIP 90024

6. Total No. of applications and patents involved 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed

☒ Authorized to be charged to deposit account

☒ Any deficiencies in enclosed fees

8. Deposit account number: 06-2425

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David S. Sarisky, Reg. No. 41,288

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 2

\*MB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503